

100

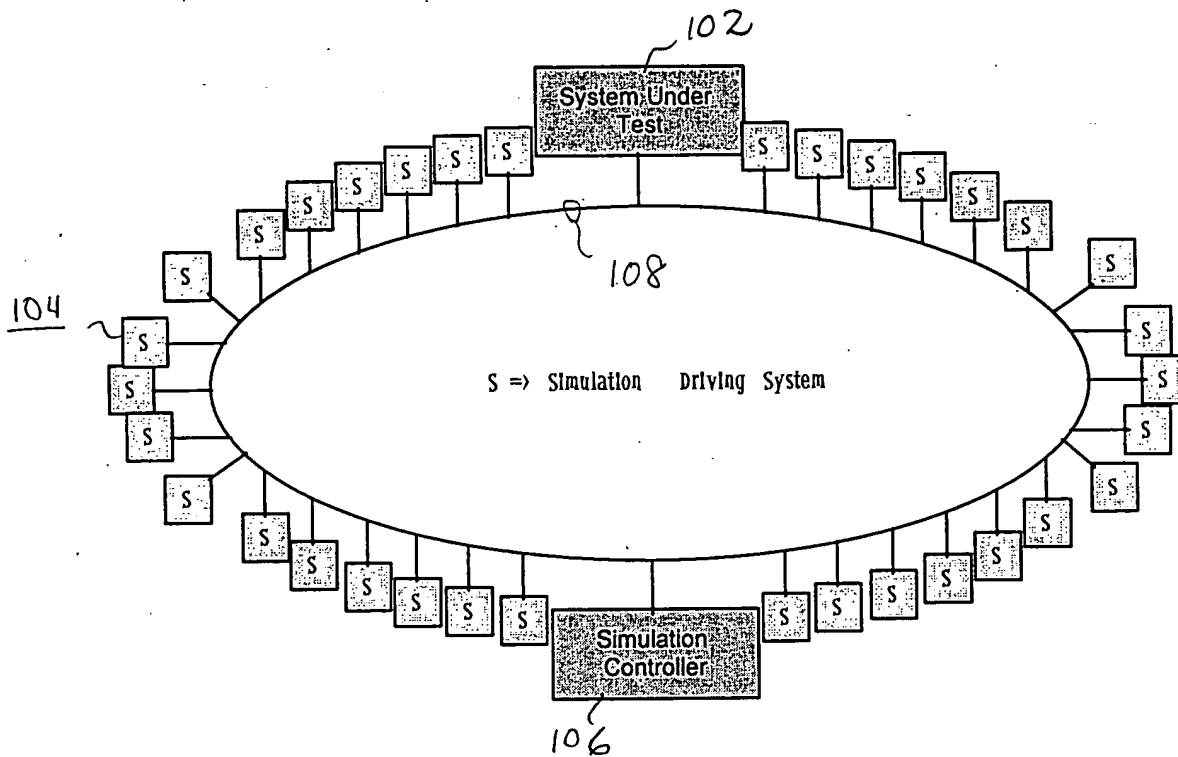


Figure 1

PRIOR ART

200

~

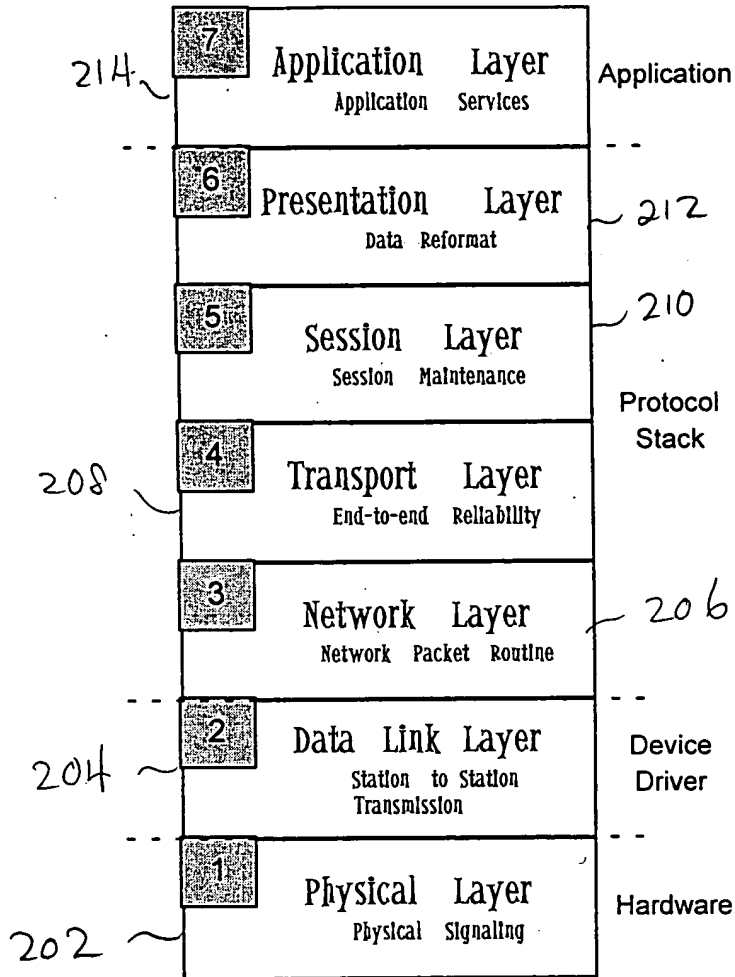


Figure 2

PRIOR ART

300

TCP/IP Packet Elements

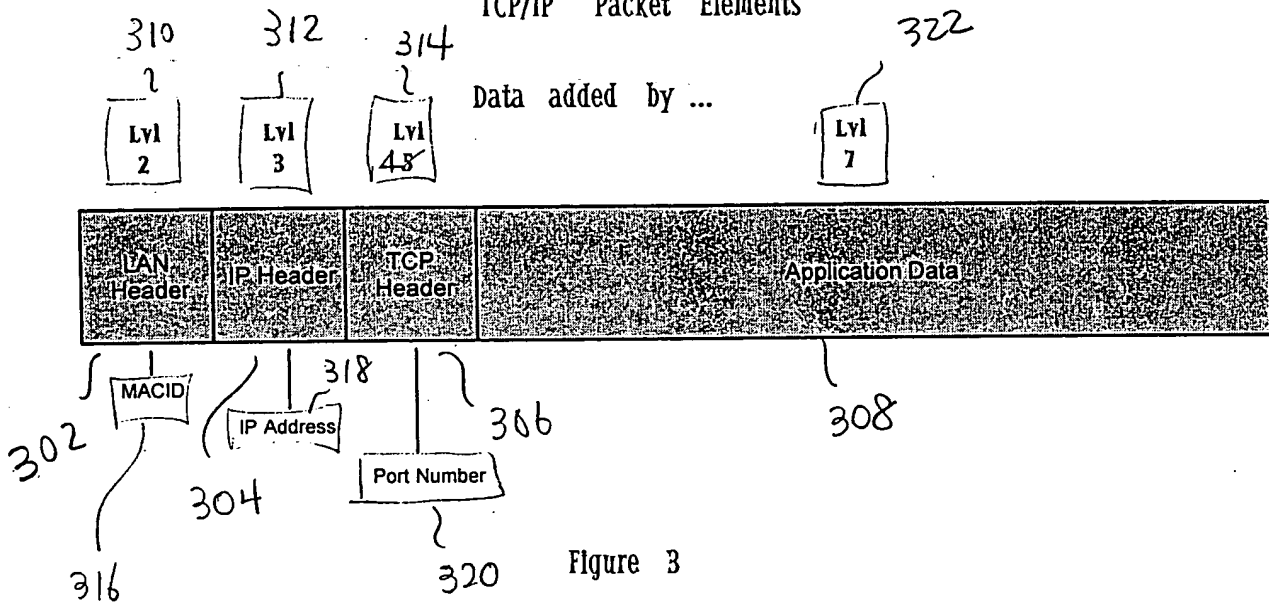


Figure 3

Prior ART



Figure 4 PRIOR ART

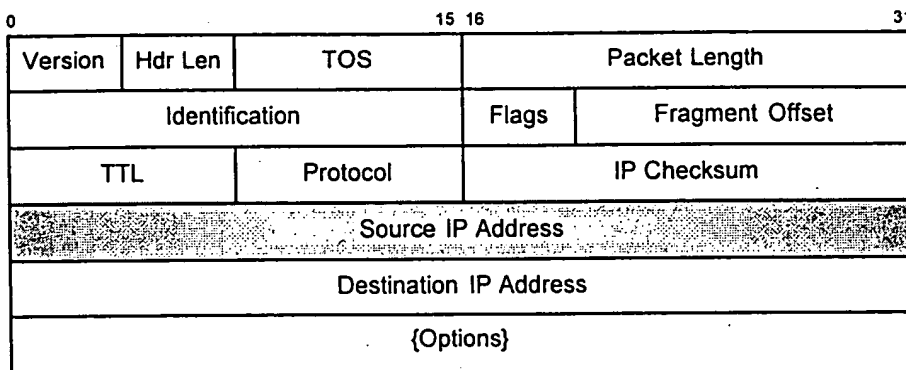


Figure 5 PRIOR ART

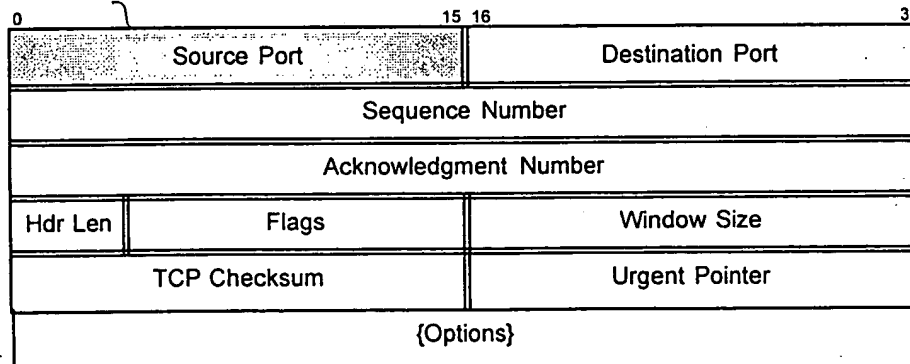


Figure 6

PRIOR ART

700

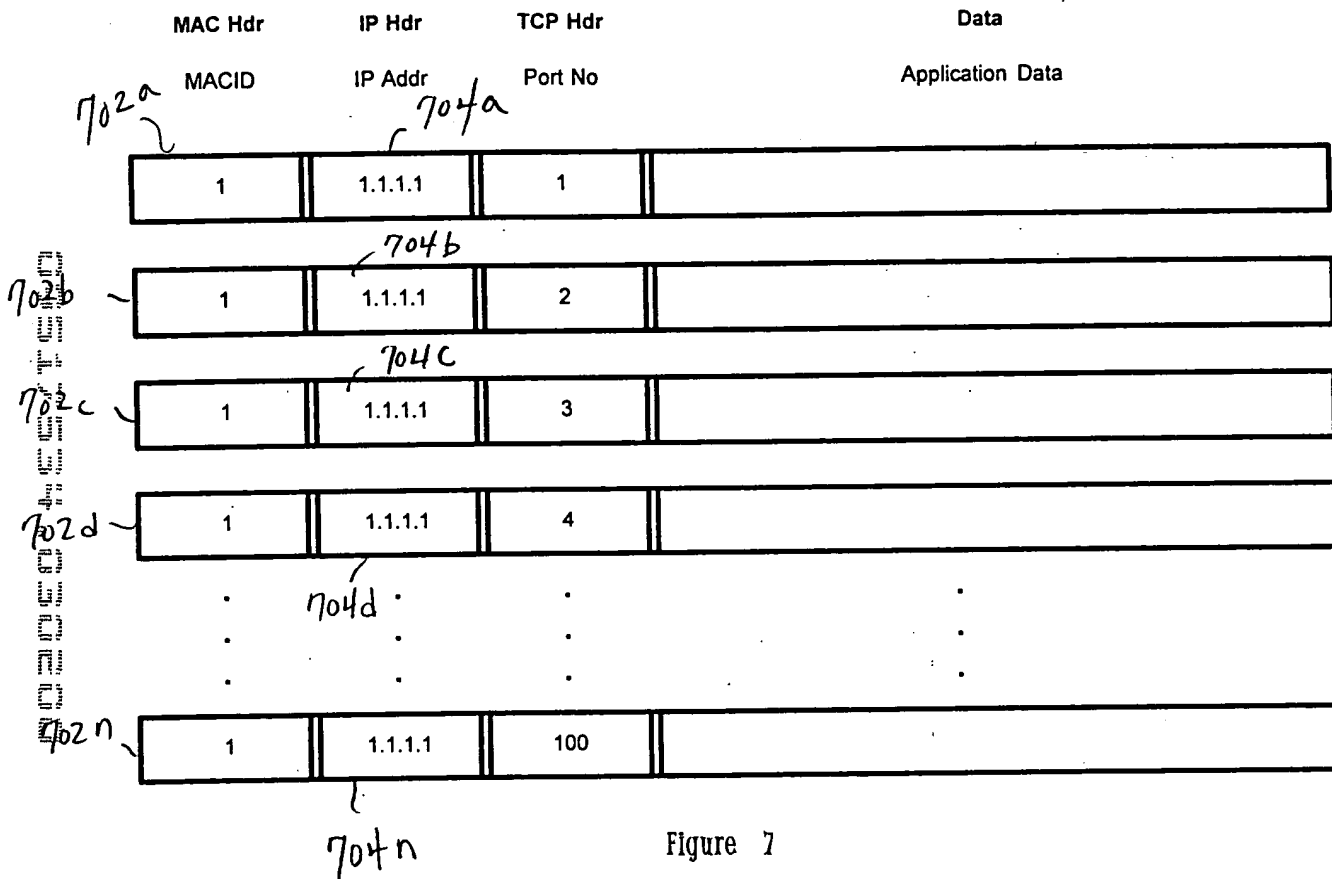


Figure 7

PRIOR ART

5800

	MAC Hdr	IP Hdr	TCP Hdr	Data
	MACID	IP Addr	Port No	Application Data
802a	1	1.1.1.1	1	
802b	2	1.1.1.2	1	
802c	3	1.1.1.3	1	
802d	4	1.1.1.4	1	

802n
	100	1.1.1.100	1	

Figure 8

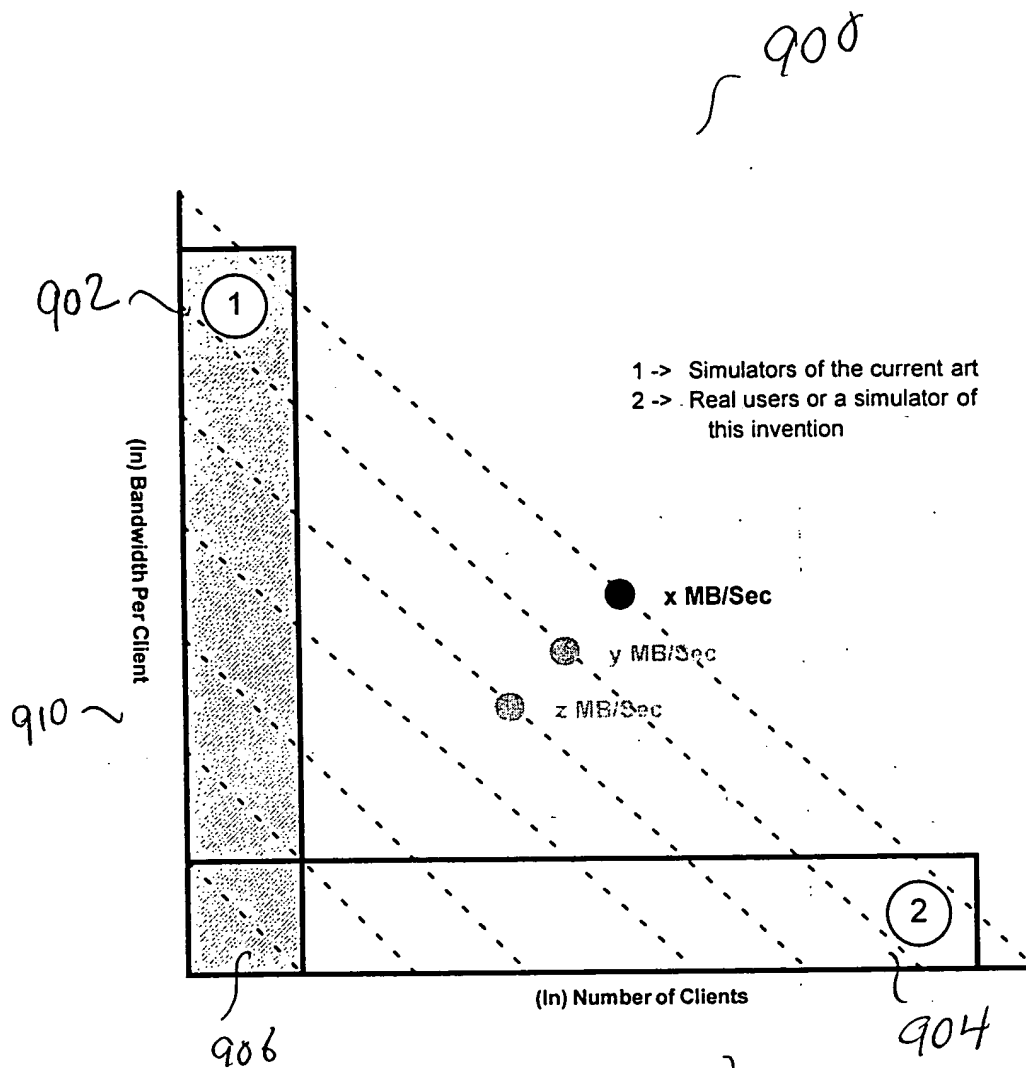


Figure 9

Protocol Stack Level

User

7

3-6

2

1

APIs

1016

1012

1020

1006

Common Services

PAMS

PAMS

PAMS

PAMS

PAMS

etc.

NET
BIOS

IPX

SNA

UDP
TCP/
IP

Data Delivery

Control Services

1002

1008

1010

1004

Scripts and
Response
Checks

PAM => Protocol/Application Module

System
Under Test

LAN Insertion

1014

LAN

1018

Figure 10

	<i>Script Verb</i>	<i>Usage Definition</i>	
1102 ~	DISTR	Specifies the transaction frequency distribution	~ 1104
1106 ~	SCRPT/ENDS	Specifies the start and end of a transaction	~ 1108
1110 ~	SEND	Sends a datagram to the system under test	~ 1112
1114 ~	RESP	Specifies the expected response for the system under test	~ 1116
1118 ~	PRCMD	Sends a datagram to the protocol stack as a command	~ 1120
1122 ~	THINK/WFR	Inserts human think time or machine response wait time	~ 1124
1126 ~	CALL/RETURN	Allows one transaction to call another	~ 1128
1130 ~	EXIT/TERM	Causes the transaction to end normally or abnormally	~ 1132
1134 ~	GOTO/LABEL	Unconditionally switches to another point in the transaction	~ 1136
1138 ~	IF/THEN/ELSE	Allows conditional execution of script elements	~ 1140
1142 ~	DO/ENDO	Allows grouping of script elements	~ 1144
1146 ~	MSG	Displays a message to the operator	~ 1148
1150 ~	SET	Allows client states to be set	~ 1152
1154 ~	XTRN	Passes current datagram to an external routine for possible modification	~ 1156

Figure 11.

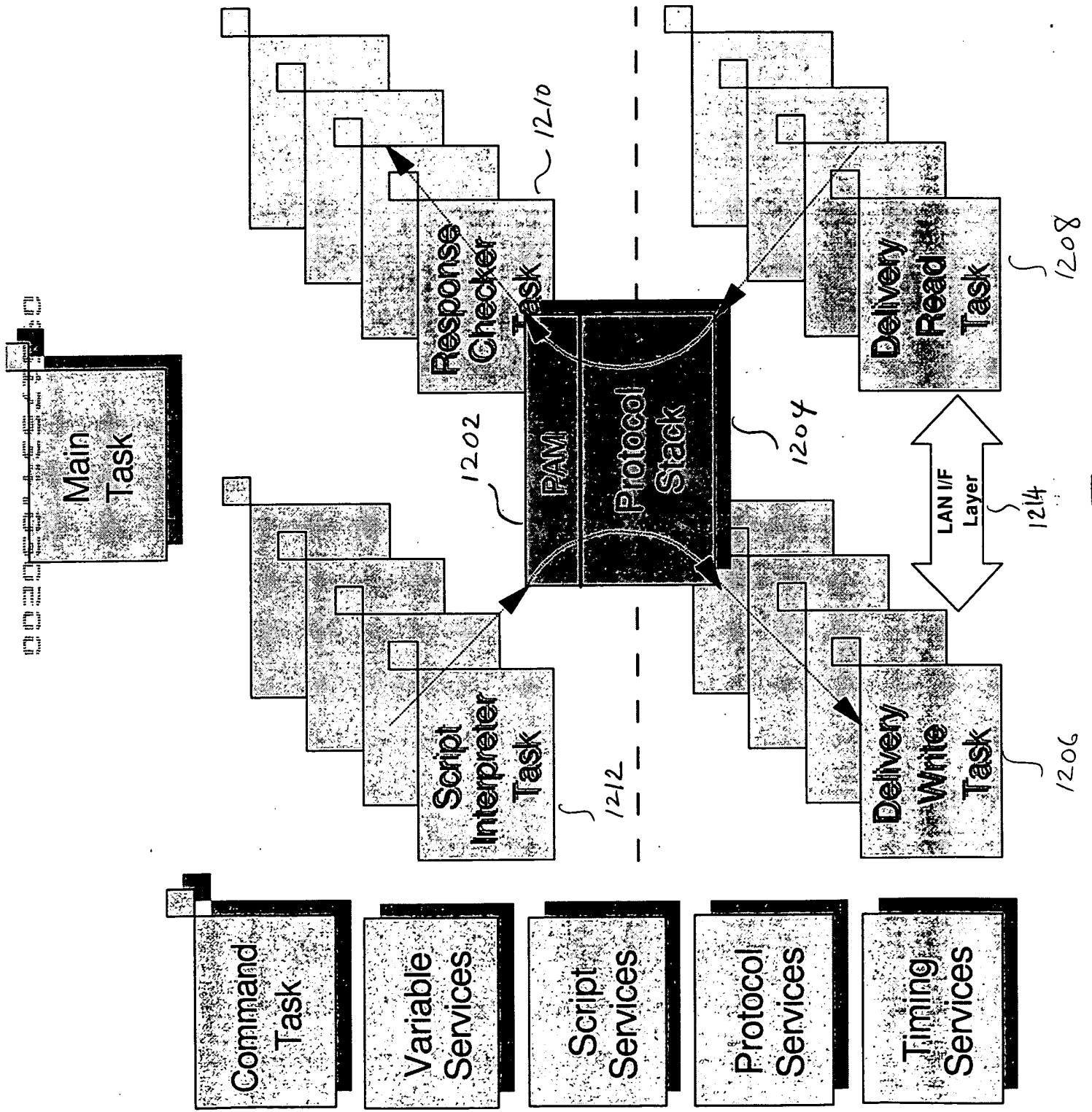


FIGURE 12